

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A data display system including a client computer and a server connected through a network, comprising:
 - a first memory, provided at the server, storing a plurality of data definition files of a first type defining contents of data to be displayed on said client computer;
 - a second memory, provided at the server, storing a data definition file of a second type defining, as data, file names of said data definition files of the first type;
 - a third memory, provided at the server, storing a style definition file, defining a style for displaying said data definition file, and switching a file to be displayed among said plurality of data definition files of the first type by using said data definition file of the second type;
 - browser device of the client computer identifies the style definition file, checks contents of the data definition file of the second type and selects one of the data definition files of the first type and downloads the same to the client computer; and
 - a display displaying data on the client computer using the files downloaded by the browser device from said first, second and third memories, wherein, when the contents of data to be displayed are updated, the browser device newly downloads only one of the data definition files of the first type and updates the contents of data to be displayed, thereby the display on the client computer being switchable from

one display data of one language to another display data of another language
without the necessity of changing the style definition file.

2. (Original) The data display system according to claim 1, wherein display language is switched by switching a file used for display by said style definition file.

3. (Original) The data display system according to claim 1, wherein by using said data definition file of the second type in said client computer, a menu for selecting a file used for display is displayed; and by receiving a user's selection through said menu, the file used for display is switched.

4. (Original) The data display system according to claim 1, wherein said data definition file is XML and said style definition file is XSLT.

5. (Currently Amended) The data display system according to claim 1, further comprising:

a fourth memory storing a data definition file of a third type defining a portion to be displayed among contents of the data of said data definition files of the first type; wherein

said display displays data in said client computer by using files stored in said first, second, third and fourth memories.

6. (Previously Presented) The data display system according to claim 5, wherein

said data definition file of the third type describes device information; and
each of said plurality of data definition files of the first type a) has same structure, b) holds the device information as tag attribute, and c) has a description corresponding to a characteristic of the data definition file of the first type including a description corresponding to a language of the data definition file of the first type.

7. (Currently Amended) A data output apparatus performing at least one of display output and external output of data, comprising:

a first memory storing a plurality of data definition files of a first type defining contents of data to be displayed;

a second memory storing a data definition file of a second type defining, as data, file names of said data definition files of the first type;

a third memory storing a style definition file, defining a style for displaying a data definition file, and switching a file to be displayed among said plurality of data definition files of the first type by using said data definition file of the second type; and

an output equipment outputting a) only one data definition file of the first type using the files stored in said first, second and third memories, b) the data definition file of the second type and c) the style definition file, wherein, when contents of data to be output are updated, the output equipment newly obtains from the first memory only one of the data definition files of the first type, and updates the contents of data to be output, thereby the output from the output equipment being switchable from

one display data of one language to another display data of another language

without the necessity of changing the style definition file.

8. (Previously Presented) The data output apparatus according to claim 7, further comprising

a fourth memory storing a data definition files of a third type defining a portion to be displayed among contents of the data of said data definition file of the first type; wherein

said output equipment outputs data using files stored in said first, second, third and fourth memories.

9. (Previously Presented) The data output apparatus according to claim 8, wherein

said data definition file of the third type describes device information; and

each of said plurality of data definition files of the first type a) has same structure, b) holds the device information as tag attribute, and c) has a description corresponding to a characteristic of the data definition file of the first type including a description corresponding to a language of the data definition file of the first type.

10. (Original) An image forming apparatus having a communication function, comprising the data output apparatus according to claim 7.

11. (Currently Amended) A data display apparatus displaying data downloaded from a server, wherein

said server stores a plurality of data definition files of a first type defining contents of data to be displayed, a data definition file of a second type defining, as data, file names of said data definition files of the first type, and a style definition file, defining a style for displaying a data definition file, and switching a file to be displayed among said plurality of data definition files of the first type by using said data definition file of the second type;

said data display apparatus comprising:

a receiver receiving only one file necessary for display among said data definition files of the first type, said style definition file and said data definition file of the second type; and

a display presenting a display using the files received by said receiver,

wherein, when contents of data to be displayed are updated, the receiver newly receives only one of the data definition files of the first type and updates the contents of data to be displayed, thereby the display of the display apparatus being switchable from one display data of one language to another display data of another language without the necessity of changing the style definition file.

12. (Previously Presented) The data display apparatus according to claim 11, wherein

said server further stores a data definition file of a third type defining a portion to be displayed among contents of the data of said data definition files of the first type; and

said receiver further receives said data definition file of the third type.

13. (Previously Presented) The data display apparatus according to claim 12, wherein

said data definition file of the third type describes device information; and
each of said plurality of data definition files of the first type a) has same structure, b) holds the device information as tag attribute, and c) has a description corresponding to a characteristic of the data definition file of the first type including a description corresponding to a language of the data definition file of the first type.

14. (Currently Amended) A data display program product, displaying data downloaded from a server, wherein

said server stores a plurality of data definition files of a first type defining contents of data to be displayed, a data definition file of a second type defining, as data, file names of said data definition files of the first type, and a style definition file, defining a style for displaying a data definition file, and switching a file to be displayed among said plurality of data definition files of the first type by using said data definition file of the second type;

said data display program product causing a computer to execute
a receiving step of receiving only one file necessary for display among said data definition files of the first type, said style definition file and said data definition file of the second type, and

a display step of presenting a display using the files received in said receiving step,

wherein, when contents of data to be displayed are updated, the receiving step newly receives only one of the data definition files of the first type and updates

the contents of data to be displayed, thereby the display of the display program product being switchable from one display data of one language to another display data of another language without the necessity of changing the style definition file.

15. (Previously Presented) The data display program product according to claim 14, wherein

said server further stores a data definition file of a third type defining a portion to be displayed among contents of the data of said data definition files of the first type; and

in said receiving step, said data definition file of the third type is further received.

16. (Original) The data display program product according to claim 15, wherein

said data definition file of the third type describes device information; and
each of said plurality of data definition files of the first type has same structure, holds the device information as tag attribute, and has a description corresponding to a characteristic of the data definition file including a description corresponding to a language of the data definition file.